

FIG. 1 is a block diagram of a mobile communication system 10. The system 10 includes an AT 14, an IS-856 radio network 22, an IS-2000 radio network 28, an access network interfaces (IS-634/IS-2001) 26, a PDSN 24, a packet data network (Internet) 16, a PSTN 20, and a MSC 30. The AT 14 is connected to the IS-856 radio network 22 and the IS-2000 radio network 28. The IS-856 radio network 22 is connected to the access network interfaces 26 via interfaces A10 and A11. The IS-2000 radio network 28 is connected to the access network interfaces 26 via interfaces A1, A2, A10, and A11. The access network interfaces 26 are connected to the PDSN 24 via interfaces A10 and A11. The PDSN 24 is connected to the packet data network (Internet) 16. The access network interfaces 26 are also connected to the MSC 30 via interfaces A1 and A2. The MSC 30 is connected to the PSTN 20.

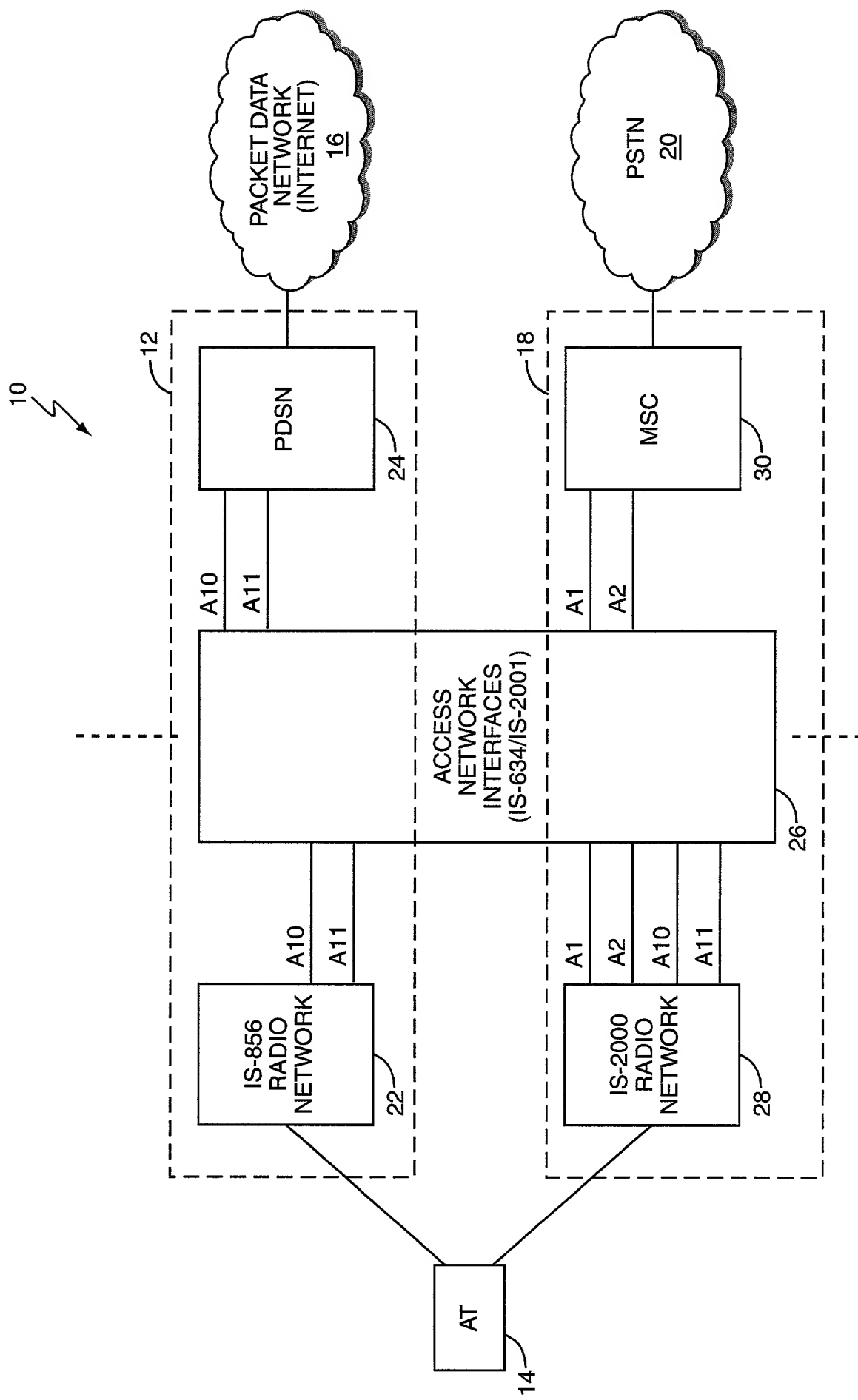


FIG. 1

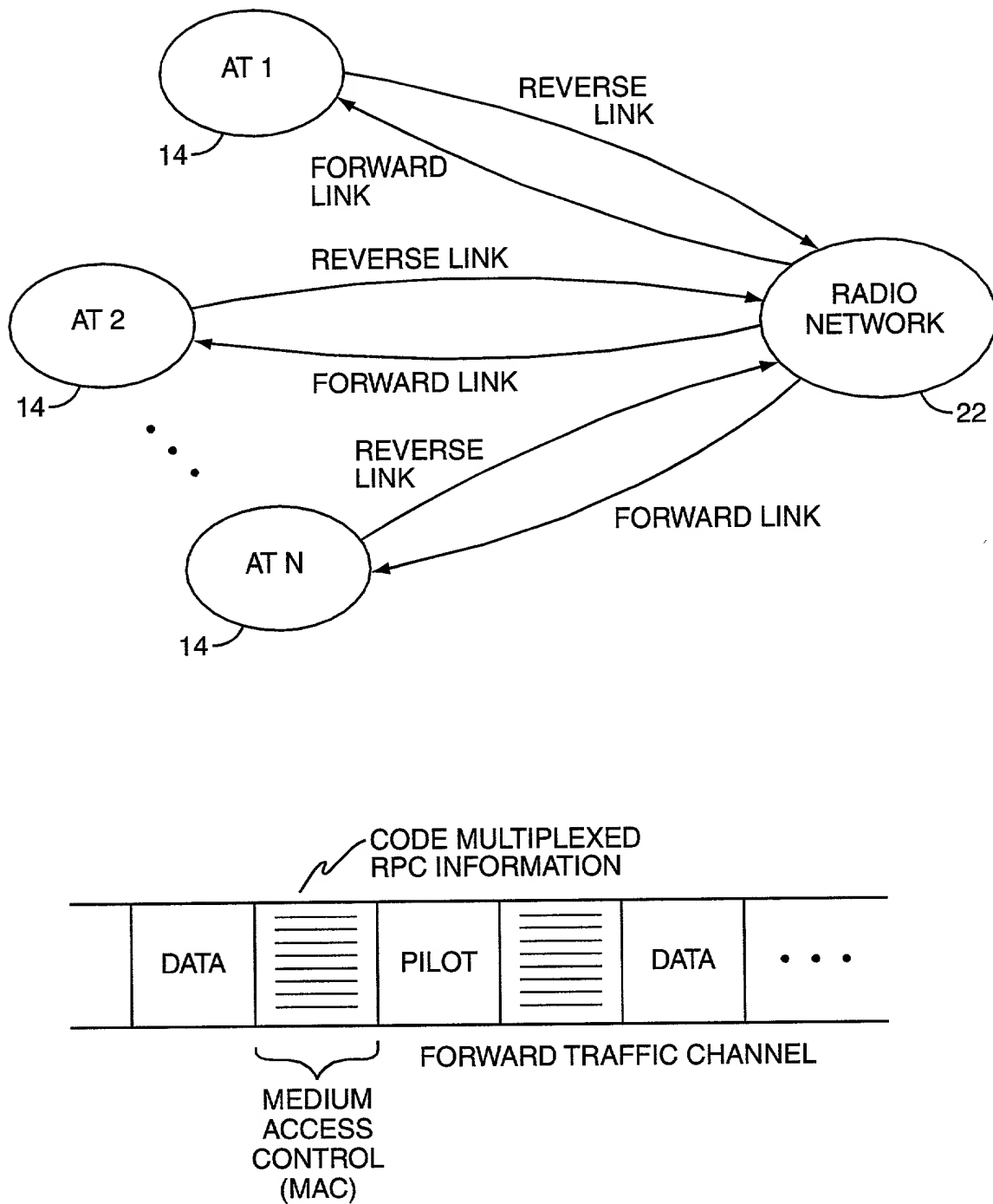


FIG. 2

FIG. 3 is a graph showing the relationship between the AT TX PWR and the BS NOISE FLOOR. The graph illustrates the power levels and the resulting communication status based on the AT TX PWR and the BS NOISE FLOOR.

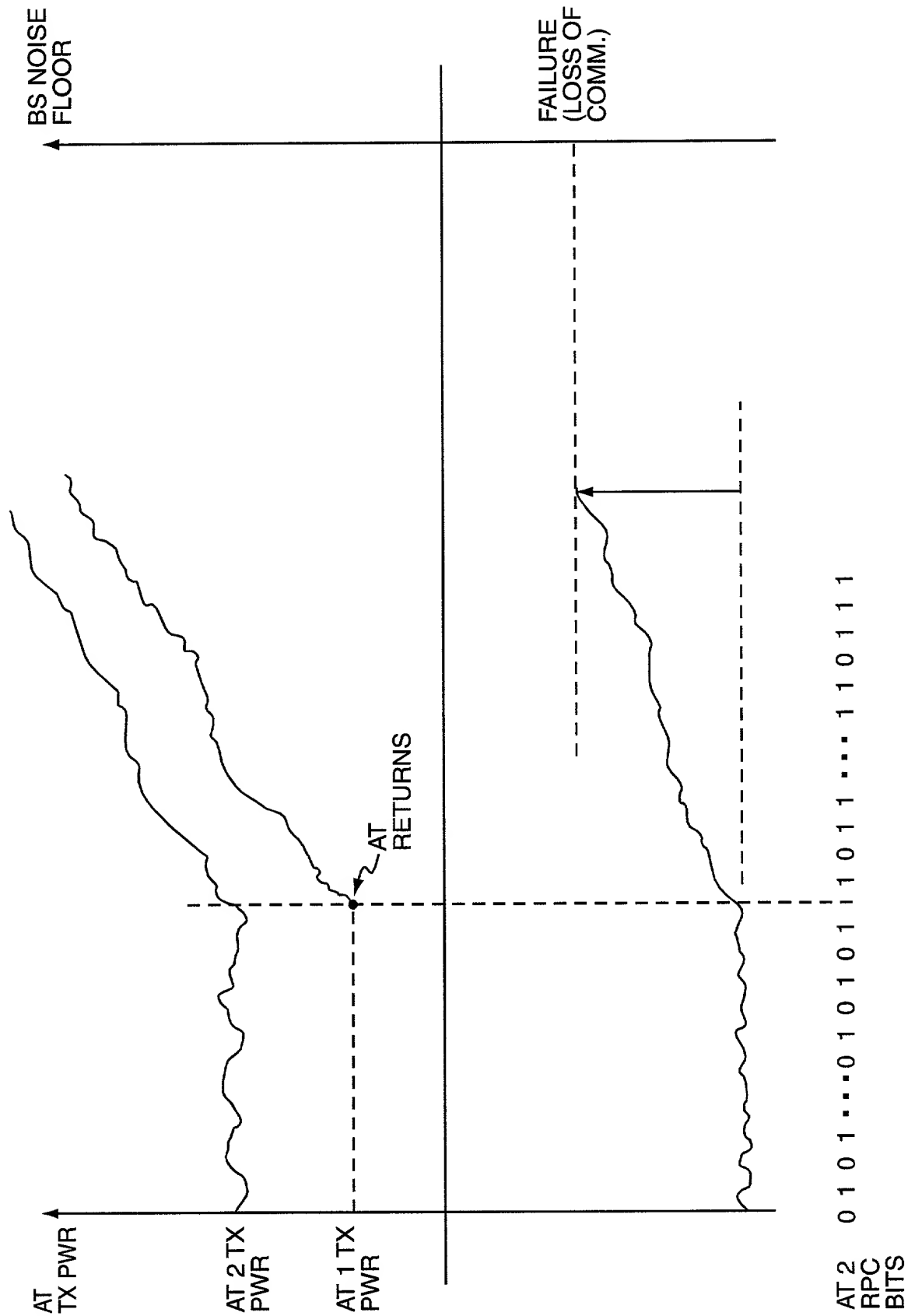


FIG. 3

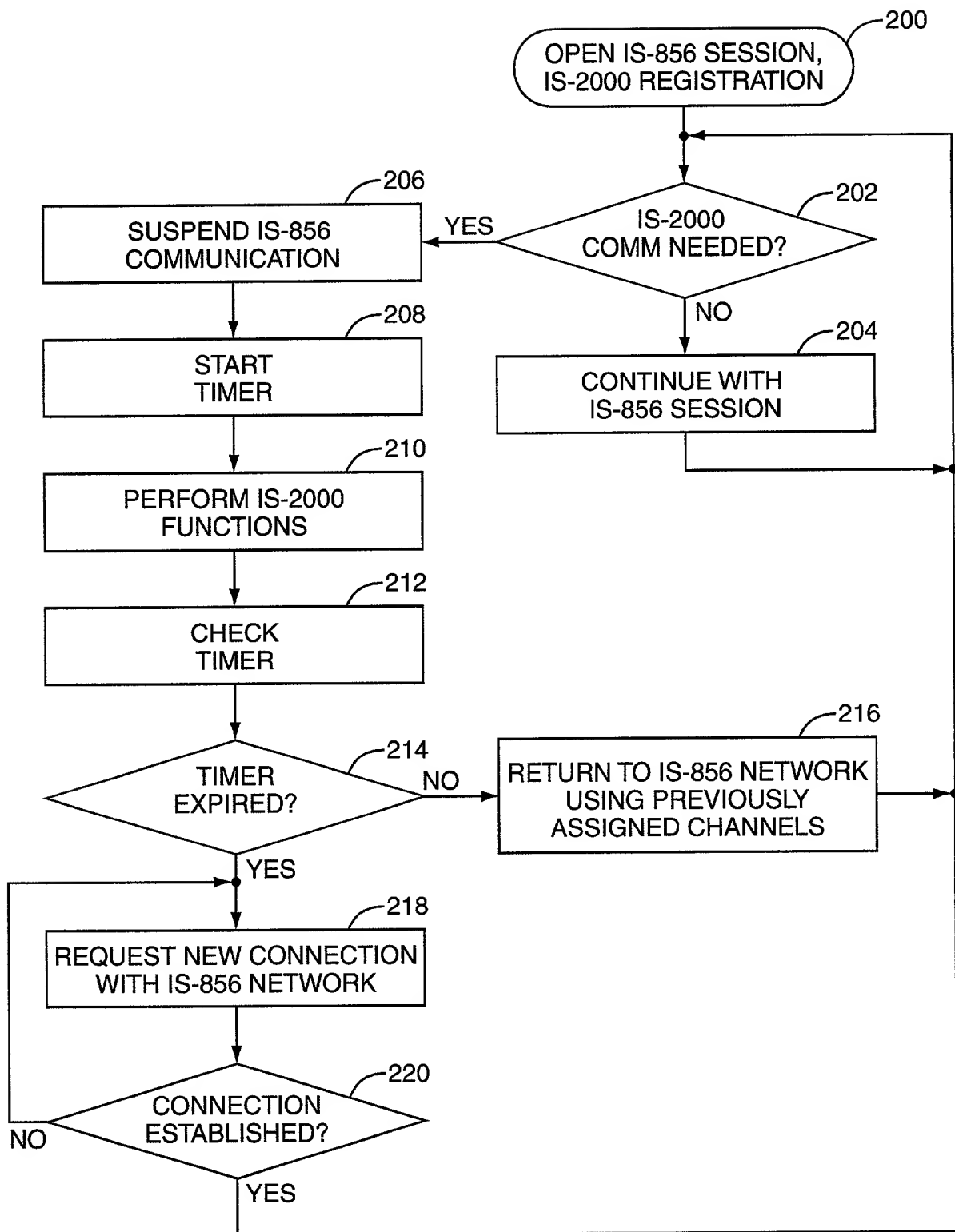


FIG. 5

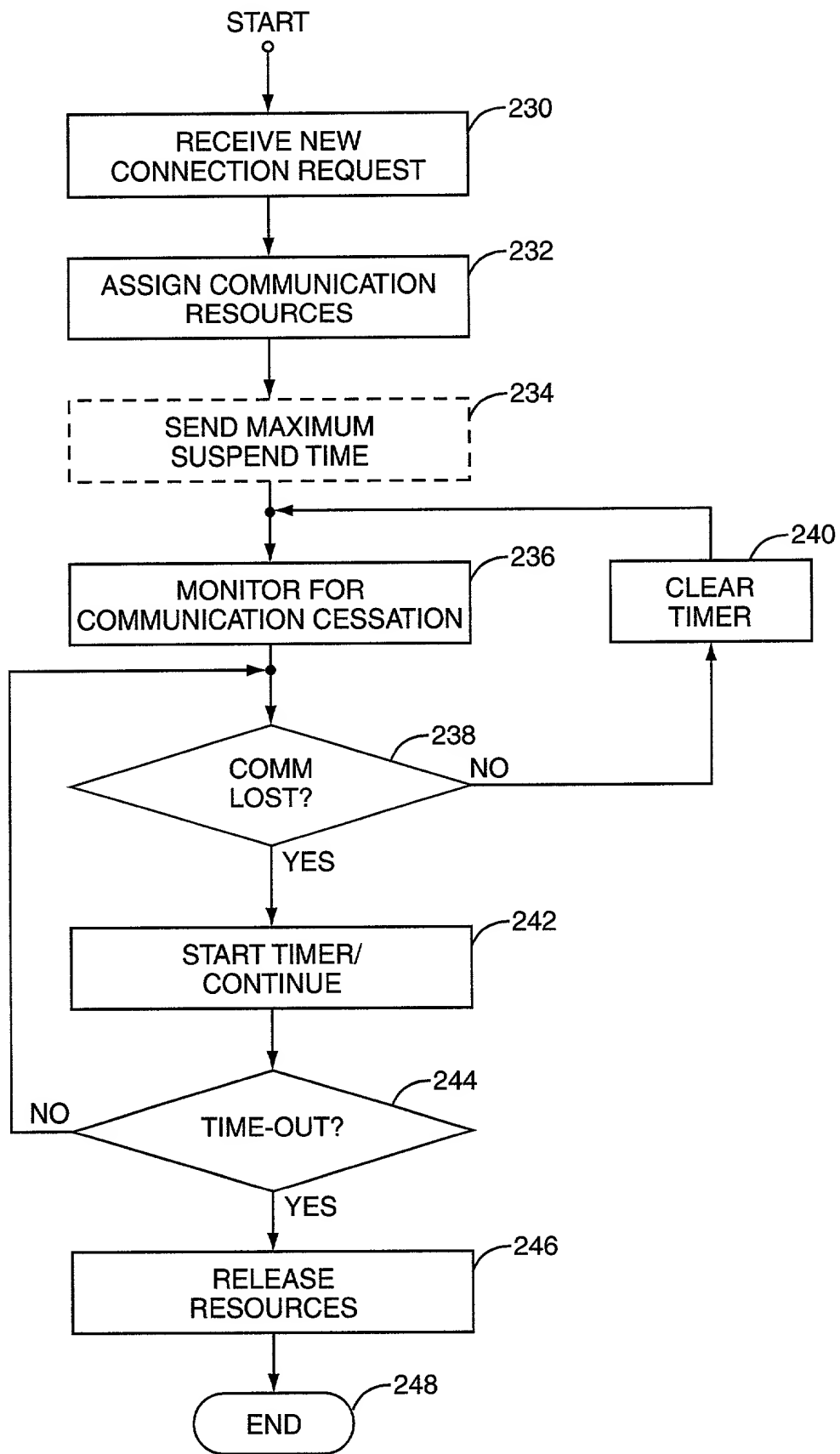


FIG. 6

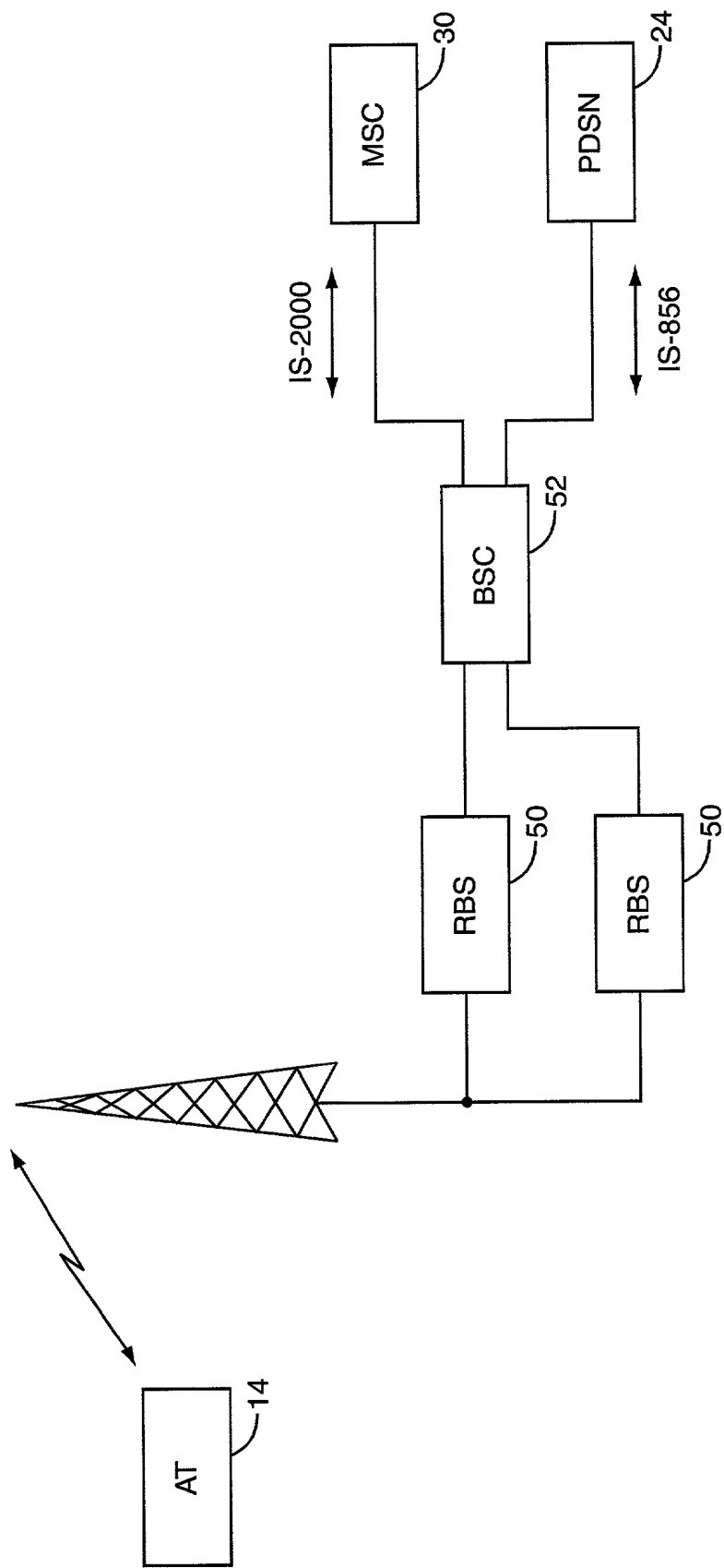


FIG. 7